

## CONTENTS OF VOLUME 31

### *Number 1*

Heat-Transfer Analysis of a West-Facing Wall . . . . .	1
WEIYUAN H. LIU & EN-HAI WANG (Taiwan)	
Assessing the Prospects and Commercial Viabilities of Small-Scale CHP Schemes	19
R. F. BABUS'HAQ, S. D. PROBERT & P. W. O'CALLAGHAN (UK)	
Energy-Thrift Opportunities for Operators of 'Public Houses' in the UK . . . . .	31
M. NEWBOROUGH & S. D. PROBERT (UK)	
Capacity Modulation of an Experimental Motor-Driven Heat Pump . . . . .	59
P. WELSBY, M. PEZZANI, S. DEVOTTA, P. J. DIGGORY &	
J. J. GUY (UK)	

### *Number 2*

Unsteady Heat Transfers through a Multi-layer Wall . . . . .	83
EN-HAI WANG & W. H. LIU (Taiwan)	
Crude Oil Imports into the United States . . . . .	101
NOEL D. URI & ROY BOYD (USA)	
Simulation of Ambient-Air Drying of Rapeseed: II. Effects of Fan-Control Strategies and Type of Weather Data on Drying Parameter Profiles . . . . .	119
B. G. PATIL & G. T. WARD (New Zealand)	
A Thermal-Electrical Analogy Model of Heat Exchanges in a Solar Greenhouse	133
P. GILABER & J. PARIS (Canada)	

### *Number 3*

Thermodynamic Properties of Fluids Commonly Used in Refrigeration System Cycles . . . . .	161
S. J. HERRIDGE, P. W. O'CALLAGHAN & S. D. PROBERT (UK)	
Steady- and Dynamic-State Simulations of Heat-Pumps. Part 1: Literature Review	189
P. WELSBY, S. DEVOTTA & P. J. DIGGORY (UK)	

Effects of Operative Behaviours and Management Planning on Energy Consumptions in Kitchens . . . . . 205

W. J. BATTY, M. A. CONWAY, M. NEWBOROUGH & S. D. PROBERT (UK)

Energy Substitution in Agriculture in the United States . . . . . 221

NOEL D. URI (USA)

*Number 4*

Steady- and Dynamic-State Simulations of Heat-Pumps. Part II: Modelling of a Motor Driven Water-to-Water Heat-Pump . . . . . 239

P. WELSBY, M. PEZZANI, S. DEVOTTA, P. J. DIGGORY & J. J. GUY (UK)

The UK Natural-Gas Industry . . . . . 263

P. RUSSELL & S. D. PROBERT (UK)

**Technical Note**

Developments in Fluidised-Bed Technologies . . . . . 305

D. HIGHGATE & S. D. PROBERT (UK)

Book Review . . . . . 311



